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CATALOGUE

OF THE

PHAENOGAMOUS AND VASCULAR CRYPTOGAMOUS

PLANTS OF INDIANA

BY

EDITORS OF THE BOTANICAL GAZETTE,

CRAWFORDSVILLE, IND.,

AND

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CATALOGUE.

RANUNCULACEÆ.

Clematis Viorna, L. South.

Pitcheri, T. & G. Lower Wabash Valley.

Virginiana, L.

Anemone cylindrica, Gray. North.

Virginiana, L.

dichotoma, L. (*A. Pennsylvanica*, L.) North and Gibson.

nemorosa, L.

acutiloba, Lawson. (*Hepatica acutiloba*, DC.)

Thalictrum anemonoides, Mx.

dioicum, L.

purpurascens, L.

Cornuti, L.

Trautvetteria palmata, Fisch. & Meyer. "Knobs" (*Dr. Clapp*).

Ranunculus aquatilis, L. var. **stagnatilis**, DC. North.

 " var. **trichophyllum**, Gr.

multifidus, Ph. "Knobs" Wabash Valley.

alismæfolius, Geyer. South.

abortivus, L.

 " var. **micranthus**, Gr. Gibson and Posey.

sceleratus, L. Tippecanoe.

recurvatus, Poir.

Pennsylvanicus, L. North-West.

fascicularis, Muhl.

repens, L.

Myosurus minimus, L. Gibson and Posey.

Isopyrum bibernatum, T. & G.

Caltha palustris, L. Upper Wabash Valley and northward. "Knobs."

Coptis trifolia, Salisb. "Knobs."

Aquilegia Canadensis, L.

vulgaris, L. Escaped south.

Delphinium tricorne, Mx.

Consolida, L. Escaped. Banks of Ohio River and Gibson.

Hydrastis Canadensis, L.

Actaea alba, Bigel.

Cimicifuga racemosa, Nutt.

MAGNOLIACEÆ.

Magnolia acuminata, L. Occasional in Ohio River Counties.
Liriodendron Tulipifera, L.

ANONACEÆ.

Asimina triloba, Dunal.

MENISPERMACEÆ.

Cocculus Carolinus, DC. Lower Wabash.
Menispermum Canadense, L.

BERBERIDACEÆ.

Berberis vulgaris, L. Jefferson (spontaneous?).

Caulophyllum thalictroides, Mx.

Jeffersonia diphylla, Pers. South along the Ohio River.

Podophyllum peltatum, L.

NYMPHÆACEÆ.

Brasenia peltata, Ph. Wabash Valley and northern lakes.

Nelumbium luteum, Willd. With the last.

Nymphaea tuberosa, Paine. With the last.

Nuphar advena, Ait.

“ var. **variegatum**. Lower Wabash. (*Dr. J. Schneck.*)
sagittifolia, Ph. “Deeper ponds, Gibson Co. Have found this
but once.” (*Dr. J. Schneck.*)

SARRACENIACEÆ.

Sarracenia purpurea, L. Northern swamps.

PAPAVERACEÆ.

Papaver somniferum, L. Spontaneous near dwellings.

Stylophorum diphyllum, Nutt. Rich woods.

Sanguinaria Canadensis, L.

FUMARIACEÆ.

Dicentra Cucullaria, DC.

Canadensis, DC.

Corydalis flavula, DC.

aurea, Willd. “Knobs.”

CRUCIFERÆ.

Nasturtium officinale, R. Br. Jefferson.

sessiliflorum, Nutt. Along the Ohio River.

palustre, DC.

“ var. **hispidum**, Gr.

lacustre, Gray. “Knobs.” Lower Wabash.

Armoracia, Fries. Escaped.

Leavenworthia Michauxii, Torr. “Buffalo Lick,” near Charlestown, Clark Co.

Dentaria diphylla, Mx. Jefferson.

laciniata, Muhl. Very variable. (Vide Ind. Geol. Surv. Rep't. 1874 and 1875.)

Cardamine rhomboidea, DC." var. **purpurea**, Torr.**pratensis**, L. Lake.**hirsuta**, L.**Arabis Ludoviciana**, Meyer. "Knobs."**lyrata**, L. La Porte.**dentata**, T. & G. Gibson.**lævigata**, Poir.**Thelypodium pinnatifidum**, Wats. (*Arabis hesperidoides*, Gray.)**Barbarea vulgaris**, R. Br. Jefferson.**Erysimum asperum**, DC. var. **Arkansanum**, Gray. Prairies.**Sisymbrium officinale**, Scop.

canescens, Nutt. Tippecanoe.

Brassica Sinapistrum, Boissier.

alba, Gray.

nigra, Koch.

Draba brachycarpa, Nutt. Gibson and Lake.

verna, L. Jefferson.

Camelina sativa, Crantz. Tippecanoe and Jefferson.**Capsella Bursa-pastoris**, Mœnch.**Lepidium Virginicum**, L.**Cakile Americana**, Nutt.**CAPPARIDACEÆ.****Polanisia graveolens**, Raf.**Cleome pungens**, Willd.**VIOLACEÆ.****Ionidium concolor**, Benth. & Hook. (*Solea concolor*, Ging.) Jefferson.**Viola lanceolata**, L. Jefferson.

primulæfolia, L. Gibson.

blanda, Willd. Jefferson, Lake and "Knobs."

cucullata, Ait.

" var. **palmata**, Gr. South." " **cordata**, Gr. South.

sagittata, Ait. Jefferson and Lake.

delphinifolia, Nutt. Prairies.

pedata, L. Knobs.

canina, L., var. **sylvestris**, Regel. Jefferson and Lake.

rostrata, Muhl. Jefferson.

striata, Ait.

Canadensis, L.

pubescens, Ait.

" var. **scabriuscula**, T. & G. Jefferson.**tricolor**, L. Jefferson." var. **arvensis**. Tippecanoe, Clark and Gibson.

CISTACEÆ.

Helianthemum Canadense, Mx. St. Joseph.

Hudsonia tomentosa, Nutt. Lake.

Lechea major, Mx. St. Joseph.

minor, Walt. "Knobs."

DROSERACEÆ.

Drosera rotundifolia, L. Lake and Noble.

intermedia, Drev. & Hayne, var.

Americana, DC. Lake.

HYPERICACEÆ.

Ascyrum Crux-Andreæ, L. Jefferson. "Knobs."

Hypericum Kalmianum, L. Lake and LaPorte.

prolificum, L. Gibson and Jefferson.

adpressum, Bart. Gibson.

sphærocarpum, Mx. "Knobs." Carroll.

perforatum, L.

corymbosum, Muhl.

multilobum, L.

Canadense L.

 " var. *major*, LaPorte.

Elodes Virginica, Nutt. Northern swamps. "Cypress swamps," Gibson.

Elatine Americana, Arn. Gibson.

CARYOPHYLLACEÆ.

Saponaria officinalis, L.

Vaccaria, L. Jefferson and Lake.

Silene stellata, Ait. General but not abundant.

nivea, DC. Carroll and Jefferson.

Pennsylvanica, Mx. Jefferson and Tippecanoe.

Virginica, L.

regia, Sims. "Knobs." Gibson.

Armeria, L. Gibson, escaped.

antirrhina, L.

noctiflora, L. Jefferson, on river bank.

Lychnis Githago, Lam.

Arenaria stricta, Mx. Lake.

patula, Mx. Tippecanoe.

Stellaria media, Smith.

pubera, Mx.

longifolia, Muhl. Jefferson and Gibson.

longipes, Goldie. Tippecanoe.

Cerastium vulgatum, L.

viscosum, L.

nutans, Raf.

oblongifolium, Torr. Tippecanoe and Gibson.

Sagina apetala, L. Gibson.

decumbens, T. & G. (*S. subulata*, Wimmer) Jefferson and Clark.

Anychia dichotoma, Mx. Tippecanoe River. Jefferson. Common.

PORTULACACEÆ.

Portulaca oleracea, L.

grandiflora, Hook. Escaped occasionally.

Talinum teretifolium, Pursh. Lake.

Claytonia Virginica, L.

MALVACEÆ.

Malva rotundifolia, L.

sylvestris, L. Gibson.

Napæa dioica, L. Carroll.

Sida spinosa, L.

Abutilon Avicennæ, Gaertn.

Hibiscus Moscheutos, L. "Knobs."

grandiflorus, Mx. Gibson.

militaris, Cav. "Knobs." Jefferson.

Trionum, L. Jefferson.

TILIACEÆ.

Tilia Americana, L.

heterophylla, Vent. South. Rarer than the last.

LINACEÆ.

Linum Virginianum, L.

striatum, Walt. Credited to Jefferson Co., but doubtful.

sulcatum, Riddell. Jasper. Lake.

usitatissimum, L.

GERANIACEÆ.

Geranium maculatum, L.

Carolinianum, L. Gibson.

Impatiens pallida, Nutt.

fulva, Nutt.

Oxalis Acetosella, L. LaPorte.

violacea, L.

corniculata, L., var. **stricta**, Sav. (*O. stricta*, L.)

Flœrkea proserpinacoides, Willd. Tippecanoe, Marion and Monroe.

RUTACEÆ.

Xanthoxylum Americanum, Mill. Gibson, Jefferson. General?

Ptelea trifoliata, L.

SIMARUBACEÆ.

Ailanthus glandulosus, Desf. Commonly planted. Well established and rapidly spreading in Jefferson.

ANACARDIACEÆ.

Rhus typhina, L. Gibson, Posey and Lake.

glabra, L.

copallina, L.

venenata, DC. "Knobs." Lake.

Toxicodendron, L. Very variable in habit.

aromatica, Ait. Jefferson and Lake.

Vitis Labrusca, L. Jefferson.

aestivalis, Michx.

cordifolia, Michx.

riparia, Michx. Gibson, Posey and Tippecanoe.

indivisa, Willd. "Knobs." Jefferson and Gibson.

Ampelopsis quinquefolia, Michx.

RHAMNACEÆ.

Rhamnus lanceolata, Ph. Clark and Tippecanoe.

Ceanothus Americanus, L. Gibson and Northward.

CELASTRACEÆ.

Celastrus scandens, L.

Euonymus atropurpureus, Jacq. General but not abundant southward.

Americanus, L.

" var. *obovatus*, T. & G.

SAPINDACEÆ.

Staphylea trifolia, L.

Æsculus glabra, Willd.

flava, Ait.

Acer saccharinum, Wang.

" var. *nigrum*, T. & G. Monroe, Marion.

dasycarpum, Ehrhart.

rubrum, L.

Negundo aceroides, Mœnch. Not abundant. Planted on the prairies for a "wind-break."

Cardiospermum Halicacabum, L. Escaped. Adventive?

POLYGALACEÆ.

Polygala sanguinea, L.

Nuttallii, T. & G. Jefferson. "Found only on a sandy flat back from the river."

cruciata, L. Lake.

verticillata, L. Jefferson, Tippecanoe and Crawford.

ambigua, Nutt. "Knobs." Gibson.

Senega, L. "Knobs." Tippecanoe.

" var. *latifolia*, T. & G. Clark.

polygama, Walt. Lake and St. Joseph.

LEGUMINOSÆ.

Lupinus perennis, L. St. Joseph and Lake. Probably common north.

Crotalaria sagittalis, L. Gibson.

Trifolium arvense, L. "Knobs."

pratense, L.

reflexum, L. Marion.

stoloniferum, Muhl. Marion. "Knobs."

repens, L.

Melilotus officinalis, Willd. Marion.

alba, Lam.

Medicago lupulina, L. Tippecanoe and Monroe.

Psoralea Onobrychis, Nutt. "Knobs." Gibson and Carroll.

stipulata, T. & G. "Knobs."

melilotoides, Michx. "Knobs." Gibson.

Petalostemon violaceus, Michx. Prairies generally.

candidus, Michx. With the last.

Amorpha fruticosa, L. Gibson.

canescens, Nutt. Prairies northwestward.

Robinia Pseudacacia, L. Generally planted and extensively naturalized.

Wistaria frutescens, DC. Gibson.

Tephrosia Virginiana, Pers. "Knobs." LaPorte. Lake.

Astragalus Plattensis, Nutt. Tippecanoe!

Canadensis, L. Jefferson and Gibson.

Desmodium nudiflorum, DC.

acuminatum, DC.

pauciflorum, DC. Jefferson and Gibson.

rotundifolium, DC.

canescens, DC. Jefferson and Carroll.

cuspidatum, T. & G. Jefferson and Gibson.

viridiflorum, Beck. "Knobs." Gibson. Jefferson?

Dillenii, Darlington.

paniculatum, DC.

Canadense, DC. Jasper, Jefferson, LaPorte, Monroe.

sessiliifolium, T. & G. Gibson and Lake.

rigidum, DC.

ciliare, DC. Jefferson, Gibson and Monroe.

Marylandicum, Boott. Gibson.

Lespedeza repens, Barton. (Including *L. procumbens*, Mx.) "Knobs." Jefferson and Gibson.

violacea, Pers. Jefferson. Tippecanoe.

reticulata, Pers. (*L. violacea*, Pers., var. *sessiliflora*, Gray.) Tippecanoe.

“ var. **angustifolia**, Max. (*L. violacea*, Pers., var. *angustifolia*, Gray.) Gibson, Jefferson, Tippecanoe.

hirta, Ell. "Knobs." Gibson, Jefferson, Lake.

capitata, Michx. Jefferson, Gibson, Lake, Tippecanoe.

Stylosanthes elatior, Swartz. Gibson. "Knobs."

Vicia Caroliniana, Walt. "Knobs."

Lathyrus maritimus, Bigelow. Lake.

paluster, L. Carroll, Gibson and Tippecanoe.

“ var. **myrtifolius**, Gray. Lake.

Apion tuberosa, Muench. Gibson.

Phaseolus peregrinus, Walt. Jefferson, Gibson, Monroe.

diversifolius, Pers. Sandy places.

helvolus, L. "Barrens." Jefferson. Gibson.

pauciflorus, Benth. Gibson.

Amphicarpaea monoica, Ell.

Baptisia australis, R. Br. Banks of the Ohio. New Albany (*Dr. Clapp*). Jefferson.

leucantha, T. & G.

alba, R. Br. (*Dr. Clapp!* 1837.)

Cercis Canadensis, L.

Cassia Marylandica, L.

occidentalis, L. "Knobs."

Tora, L. (*C. obtusifolia*, L.) "Banks of Ohio River, Floyd."

Chamæcrista, L.

nictitans, L. Clark. Monroe. Gibson.

Gymnocladus Canadensis, Lam. Marion and southward along the Ohio River.

Gleditschia triacanthos, L. General but not abundant.

monosperma, Walt. Gibson in "Cypress swamps."

Desmanthus brachylobus, Benth. Clark. Abundant in one locality.

ROSACEÆ.

Prunus Americana, Marshall.

Chicasa, Michx. Gibson.

pumila, L. Lake.

Virginiana, L. Marion, Monroe, Tippecanoe. Planted for ornament.

serotina, Ehrhart.

Neillia opulifolia, Benth. & Hook. (*Spiraea opulifolia*, L.) Gibson, Jefferson and Monroe.

Spiræa salicifolia, L.

tomentosa, L. Jefferson.

lobata, Jacq. Meadows in Jefferson and Scott. Prairies northwest.

Aruncus, L. South.

Gillenia trifoliata, Mench. Gibson.

stipulacea, Nutt. "Knobs." Gibson.

Agrimonia Eupatoria, L.

parviflora, Ait. Jefferson, Gibson, Monroe.

Geum album, Gmelin.

Virginianum, L.

strictum, Ait. Jefferson. Common north?

vernus, T. & G.

Waldsteinia fragarioides, Tratt. Jefferson.

Potentilla Norvegica, L. Jefferson, Gibson.

Canadensis, L.

argentea, L. St. Joseph.

fruticosa, L. Noble. Lake.

palustris, Scop. Lake.

Fragaria Virginiana, Duchesne. Marion, Monroe.

" var. **Illinoensis**, Gray. Gibson, Jefferson.

vesca, L.
Rubus strigosus, Michx. Jefferson, Gibson, Marion.
 occidentalis, L.
 villosus, Ait.
 " var. **humifusus**, Gray. Gibson, Jefferson.
Canadensis, L.
 hispidus, L. Jefferson.
Rosa setigera, Michx.
 Carolina, L.
 parviflora, Ehrhart. (*R. lucida*, Ph.; of *Ehrhart* by mistake in Gray's Man. p. 158.)
 nitida, Willd. Probably collected under the name *R. lucida*.
 rubiginosa, L.
Crataegus coccinea, L.
 tomentosa, L. Gibson, Jefferson, Monroe.
 tomentosa, L. var. **pyrifolia**, Gray. Elkhart, Marion.
 " var. **punctata**, Gray. "Knobs." Jefferson, Gibson.
 subvillosa, Schrad. (*C. tomentosa*, L., var. *mollis*, Gray.) Gibson, Jefferson, Marion.
Crus-galli, L.
Pirus coronaria, L.
 angustifolia, Ait. Jefferson, Gibson.
 arbutifolia, L. "Knobs." Jefferson.
Amelanchier Canadensis, T. & G. var. **Botryapium**, Gray. "Knobs," Tippecanoe, Lake.
 " var. **oblongifolia**, Gray. Lake.
 alnifolia, Nutt. Jefferson.

SAXIFRAGACEÆ.

Ribes Cynosbati, L.
 oxyacanthoides, L. (*R. hirtellum*, Michx.)
 rotundifolium, Michx. "Rocks," Jefferson.
 floridum, L'Her. Jefferson.
 rubrum, L. LaPorte.
Hydrangea arborescens, L.
Philadelphus grandiflorus, Willd. Growing near the top of a rocky cliff in a cold ravine near Hanover, Jefferson Co.; apparently native. Flowers smaller than in the garden form.
Parnassia Caroliniana, Michx. Tippecanoe. Marion.
Saxifraga Pennsylvanica, L. "Knobs." Tippecanoe. Marion.
Sullivantia Ohionis, T. & G. Jefferson. Clark. Carroll. Always under dripping on limestone cliffs; rooting in moss.
Heuchera villosa, Michx. Clark.
 Americana, L.
Mitella diphylla, L.
Tiarella cordifolia, L. St. Joseph.

CRASSULACEÆ.

Penthorum sedoides, L.*Sedum ternatum*, Michx.*telephiooides*, Michx. "Knobs." Clark (Utica).

HAMAMELACEÆ.

Hamamelis Virginiana, L.*Liquidambar Styraciflua*, L. More abundant southward.

HALORAGEÆ.

Myriophyllum spicatum, L. LaPorte.*heterophyllum*, Michx. Gibson.*ambiguum*, Nutt., var. *capillaceum*, Gray. Gibson.*Proserpinaca palustris*, L. Jefferson. Gibson.

ONAGRACEÆ.

Circæa Lutetiana, L.*alpina*, L. Carroll and Jefferson.*Gaura biennis*, L. Prairies west and southwest.*Epilobium palustre*, L. var. *lineare*, Gray. LaPorte. Noble.*molle*, Torr. "Knobs" (Dr. Clapp.)*coloratum*, Muhl.*Onothera biennis*, L.*rhombipetala*, Nutt. Lake.*fruticosa*, L.*Jussiaea decurrens*, DC. "Knobs" (Dr. Clapp.)*Ludwigia alternifolia*, L.*polycarpa*, Short & Peter. "Knobs." Gibson.*palustris*, Ell. Jefferson. Gibson. Monroe. Probably general.

MELASTOMACEÆ.

Rhexia Virginica, L. Jefferson.

LYTHRACEÆ.

Ammannia humilis, Michx. Jefferson. Clark.*latifolia*, L. Gibson.*Lythrum alatum*, Pursh. "Knobs." Gibson. Prairies northwest.*Nesæa verticillata*, HBK. Gibson and Posey. Rare.*Cuphæa viscosissima*, Jacq. Jefferson and Gibson.

CACTACEÆ.

Opuntia vulgaris, Haworth. "Escaped from cultivation to old stumps and rocky places," Gibson.*Rafinesquia*, Engelm. Tippecanoe. Lake.

FICOIDEÆ.

Mollugo verticillata, L.

PASSIFLORACEÆ.

Passiflora lutea, L. Jefferson. Gibson. Monroe.

CUCURBITACEÆ.

Sicyos angulatus, L. Jefferson. Gibson. Marion.

Echinocystis lobata, Torr. & Gray. Gibson. Carroll. Marion.

Melothria pendula, L. Clark. Collected but once.

UMBELLIFERÆ.

Hydrocotyle Americana, L. Jefferson.

umbellata, L. Sandy shores of Clear Lake, LaPorte.

Sanicula Canadensis, L. Jefferson. Gibson.

Marylandica, L.

Eryngium yuccæfolium, Michx. "Barrens," Floyd and Washington.
Gibson. Prairies northward.

Daucus Carota, L. Escaped, abundant.

Polytænia Nuttallii, DC. "Barrens" (*Dr. Clapp.*)

Heracleum lanatum, Michx. Marion.

Pastinaca sativa, L.

Archemora rigida, DC. Jefferson. Gibson.

Thaspium barbinode, Nutt. Jefferson. Monroe.
 aureum, Nutt.

trifoliatum, Gray. Jefferson. Gibson. Monroe.

Pimpinella integrerrima, Benth. & Hook. (*Zizia integrerrima*, DC.) Jefferson.
Gibson. Monroe. Tippecanoe.

Cicuta maculata, L.

bulbifera, L. LaPorte. Cass. Lake. St. Joseph.

Sium cicutæfolium, Gmelin. (*S. lineare*, Mx.) LaPorte. Gibson.

Cryptotænia Canadensis, DC.

Chærophyllum procumbens, Crantz. Jefferson. Gibson. Tippecanoe.

Osmorrhiza longistylis, DC. Gibson. Jefferson. Tippecanoe.
 brevistylis, DC.

Conium maculatum, L. Gibson.

Eulophus Americanus, Nutt. "Prairies, rare," Gibson.

Erigenia bulbosa, Nutt.

ARALIACEÆ.

Aralia spinosa, L. Jefferson.

racemosa, L. Jefferson. Gibson.

nudicaulis, L. Gibson.

quinquefolia, Decaisne & Planchon.

Cornus Canadensis, L. Marion.

florida, L.

circinata, L'Her. Lake.

sericea, L. Lake. Gibson. Jefferson.

stolonifera, Michx. Marion. Lake. Noble.

asperifolia, Michx. "Knobs," Jennings.

paniculata, L'Her. Gibson. Monroe. Jefferson.
alternifolia, L. Tippecanoe. Monroe.

Nyssa multiflora, Wang. Lake, Jefferson, Monroe, Gibson.

CAPRIFOLIACEÆ.

Linnæa borealis, Gronov. Lake.

Symporicarpus occidentalis, R. Br. Marion.
vulgaris, Michx. South.

Lonicera sempervirens, Ait. "Sparingly spontaneous," Jefferson.

parviflora, Lam. Clark, Lake, Tippecanoe.

Diervilla trifida, Moench. Lake.

Triosteum perfoliatum, L. Marion, Monroe, Jefferson.
angustifolium, L. "Knobs" (*Dr. Clapp.*)

Sambucus Canadensis, L.

Viburnum Lentago, L. Gibson. Jefferson. Monroe. Marion.
prunifolium, L.
dentatum, L. Jefferson. Tippecanoe. Gibson.
molle, Michx. Jefferson.
pubescens, Pursh. Lake. Jefferson.
acerifolium, L. Jefferson. Monroe.

RUBIACEÆ.

Galium Aparine, L.

asprellum, Michx. Marion.
concinnum, Torr. & Gray. Jefferson.
trifidum, L. Very common.

 " *var. tinctorium*, Gr.
 " *" latifolium*, Gr.

triflorum, Michx. Jefferson. Cass. Marion. Monroe.

pilosum, Ait. Lake.

circæzans, Michx.
boreale, L. Lake.

Spermacoce glabra, Michx. Jefferson. Gibson.

Diodia teres, Walt. Gibson.

Cephalanthus occidentalis, L.

Mitchella repens, L. Dry woods.

Houstonia purpurea, L. Jefferson. Gibson. Monroe.

 " *var. ciliolata*, Gray. Clark. Tippecanoe.
cærulea, L. Wet meadows.

VALERIANACEÆ.

Valeriana pauciflora, Michx. South.

Fedia olitoria, Vahl. Escaped in Jefferson.

radiata, Michx. Marion.

DIPSACEÆ.

Dipsacus sylvestris, Mill.

COMPOSITÆ.

Vernonia Noveboracensis, Willd. Gibson, Monroe.
 fasciculata, Michx.

Elephantopus Carolinianus, L. Jefferson, Gibson.

Liatris squarrosa, Willd. Gibson.
 cylindracea, Michx. St Joseph, Lake, Gibson.
 scariosa, Willd. "Barrens." St. Joseph, Gibson.
 spicata, Willd. St. Joseph, Lake.
 pycnostachya, Michx. Gibson. Prairies throughout the north.

Kuhnia eupatorioides, L. Tippecanoe, Marion, Gibson.

Eupatorium purpureum, L.
 hyssopifolium, L. (From specimens in the herbarium of La Fayette High School. Locality not certain but probably Tippecanoe Co.)
 altissimum, L. "Knobs." Gibson.
 sessilifolium, L. "Knobs." Tippecanoe, Gibson.
 perfoliatum, L.
 serotinum, Michx. Gibson, Jefferson, Tippecanoe.
 ageratooides, L.

Mikania scandens, L. Gibson.

Conoclinium coccineum, DC. Jefferson, Gibson, Marion.

Sericocarpus solidagineus, Nees. Floyd. (Dr. Clapp, 1838.)

Aster patens, Ait. Gibson.
 laevis, L. Gibson.
 azureus, Lindl. Gibson, Jefferson, Tippecanoe.
 Shortii, Boott. "Knobs." Tippecanoe, Jefferson.
 undulatus, L. Jefferson, Monroe, Gibson.
 cordifolius, L.
 sagittifolius, Willd. "Knobs." Gibson, Monroe, Jefferson.
 ericoides, L. Jefferson. Also the var. *villosum*.
 multiflorus, Ait. Jefferson, Tippecanoe.
 dumosus, L. Jefferson, Monroe, Gibson.
 Tradescanti, L. Jefferson.
 miser, L. Ait. Jefferson, Gibson, Marion.
 simplex, Willd. "Knobs."
 tenuifolius, L. Gibson, Jefferson.
 carneus, Nees. "Knobs." Gibson.
 longifolius, Lam. Noble.
 puniceus, L.
 prenanthoides, Muhl. "Knobs." Jefferson, Tippecanoe.
 oblongifolius, Nutt. Jefferson, Gibson.
 Novæ-Angliæ, L. Tippecanoe, Jefferson, Gibson.
 ptarmicoides, Torr. & Gray. Lake.

Erigeron Canadense, L.
 divaricatum, Michx. Gibson, Jefferson. "Knobs."
 bellidifolium, Muhl.

Philadelphicum, L.
annuum, Pers.
strigosum, Muhl.

Diplopappus linariifolius, Hook. "Knobs."
umbellatus, Torr. & Gray. Jefferson, Lake.

Boltonia glastifolia, L'Her. Gibson, Jefferson.

Brachychæta cordata, Torr. & Gray. Jefferson, especially at "Clifty Falls."

Solidago bicolor, L. Scott, Jefferson.
latifolia, L. Jefferson, Monroe.
cæsia, L.
stricta, Ait. St. Joseph.
rigida, L. "Knobs." "Barrens." Moist prairies, Gibson and north.

Ohioensis, Riddell. Lake, Tippecanoe.

Riddellii, Frank. Tippecanoe.

neglecta, Torr. & Gray. Jefferson.

patula, Muhl. "Knobs." Gibson.

arguta, Ait. Jefferson, Gibson, Monroe.
 " var. *scabrella*, Gray. Jefferson.

altissima, L.

ulmifolia, Muhl. Jefferson, Gibson.

odora, Ait. "Sandy soil, scarce," Gibson. Dr. Schneck is inclined to doubt this species.

nemoralis, Ait. Carroll. "Knobs." Jefferson, Gibson. (General?)

Shortii, Torr. & Gray. "Knobs." (Dr. Clapp.)

Missouriensis, Nutt. Prairies.

rupestris, Raf. Gray, Manual, p. 245.

Canadensis, L.
serotina, Ait. Jefferson.
gigantea, Ait. Marion, Jefferson, Jasper.
lanceolata, L. Jefferson, Gibson.
tenuifolia, Pursh. Jasper.

Inula Helenium, L.

Pluchea foetida, DC. Jefferson, Gibson.

Polymnia Canadensis, L.
Uvedalia, L. Both species general but not abundant.

Silphium laciniatum, L. "Knobs." Prairies.

terebinthinaceum, L. With the last.

trifoliatum, L. Jefferson.

integrifolium, Michx. Prairies.

perfoliatum, L. Jefferson, Lake, Marion, Gibson.

Parthenium integrifolium, L. "Knobs." Prairies.

Ambrosia bidentata, Michx. Gibson.
trifida, L.
 " var. *integrifolia*, Gray. Gibson.

artemisiæfolia, L.
Xanthium strumarium, L.
 spinosum, L. Jefferson.
Eclipta procumbens, Michx. Johnson, Jefferson, Gibson.
 " var. *brachypoda*, Gray. Gibson.
Heliopsis lœvis, Pers.
 " var. *scabra*, Gray.
Echinacea purpurea, Mœnch. "Barrens." Prairies.
Rudbeckia laciniata, L.
subtomentosa, Pursh. "Knobs." Elkhart, Gibson.
triloba, L.
hirta, L.
Lepachys pinnata, Torr. & Gray. Carroll, La Porte.
Helianthus annuus, L.
lætiflorus, Pers. Jasper, Jefferson, Gibson.
occidentalis, Riddell. "Knobs." St. Joseph, L. S. & M. S. R. R.
mollis, Lam. Jasper, Gibson, Vermillion.
microcephalus, Torr. & Gray. "Knobs." Jefferson.
giganteus, L.
grosse-serratus, Martens. Gibson, Jasper.
strumosus, L. Carroll.
divaricatus, L. Lake, St. Joseph. "Knobs."
hirsutus, Raf. "Knobs." Jasper.
trachelifolius, Willd. Jefferson, Carroll.
decapetalus, L. Gibson, Carroll, Jefferson, Monroe.
doronicoides, Lam. Jefferson, Gibson.
tuberosus, L. Gibson, Marion.
Actinomeris squarrosa, Nutt. Gibson, Jefferson.
helianthoides, Nutt. "Knobs." Gibson, Marion.
Coreopsis lanceolata, L. Lake, Marion.
palmata, Nutt. La Porte.
tripteris, L. Gibson, Jefferson.
aristosa, Michx. "Knobs." Noble, Gibson.
trichosperma, Michx. Jefferson.
discoidea, Torr. & Gray. Gibson.
Bidens frondosa, L.
connata, Muhl.
cernua, L. Jefferson.
chrysanthemooides, Michx. Marion, Jefferson, Gibson.
bipinnata, L.
Dysodia chrysanthemooides, Lag. Jennings, Jefferson, Marion.
Helenium autumnale, L.
Leptopoda brachypoda, Torr. & Gray. Gibson, Marion, Jefferson, Monroe.
Anthemis Cotula, L. (*Maruta Cotula*, L.)
Achillea Millefolium, L.
Leucanthemum vulgare, Lam. Floyd, Monroe, Jefferson, Marion.

Tanacetum vulgare, L.
 " var. **crispum**, Gray. Commoner than the typical.

Artemisia Canadensis, Michx. Lake.
caudata, Michx. Lake.
biennis, Willd.
Absinthium, L. Escaped from gardens.
annua, L. Gibson.

Gnaphalium polycephalum, Michx.
uliginosum, L. Jefferson, Montgomery.
purpureum, L.

Anaphalis (Antennaria) margaritacea, Benth. & Hook. Gibson, Marion.

Antennaria plantaginifolia, Hook.

Erechthites hieracifolia, Raf.

Cacalia suaveolens, L. Gibson, Marion.
reniformis, Muhl. Jefferson, Marion.
atriplicifolia, L. Monroe, Jefferson, Gibson.
tuberosa, Nutt. Lake, St. Joseph.

Senecio aureus, L.
 " var. **obovatus**, Gray.

Centaurea Cyanus, L. Monroe, Gibson.

Cnicus (Cirsium) lanceolatus, Hoffm.
discolor, Muhl.
Virginianus, Pursh. "Knobs."
altissimus, Willd. Gibson, Jefferson, Marion.
muticus, Pursh. Noble.
arvensis, Hoffm. Jefferson, Marion, Carroll.

Onopordon acanthium, L. Jefferson.

Lappa officinalis, Allioni.

Cichorium Intybus, L. Jefferson, Marion.

Krigia Virginica, Willd. Lake, La Porte.

Cynthia Virginica, Don.
 Dandelion, DC. "Knobs." Gibson.

Hieracium Canadense, Michx. Lake.
scabrum, Michx. Jefferson, Gibson. "Knobs."
longipilum, Torr. Gibson.
Gronovii, L. "Barrens." Tippecanoe, Jefferson, Carroll, Gibson.
venosum, L. "Knobs." Monroe.
paniculatum, L. "Knobs." Jefferson, Monroe.

Nabalus albus, Hook. Jefferson, Marion, Monroe.
 " var. **serpentaria**, Gray. "Barrens."
altissimus, Hook. Gibson, Jefferson, Monroe.
asper, Torr. & Gray. "Barrens." Jefferson.
crepidineus, DC. "Knobs." Jefferson.

Taraxacum Dens-leonis, Desf.

Lactuca Canadensis, L.
 " var. **integrifolia**, Torr. & Gray.
sanguinea, Torr. & Gray. Gibson.

villosa, Jacq. (*Mulgedium acuminatum*, DC.) Jefferson, Gibson.
Floridana, Gaertn. (*Mulgedium Floridanum*, DC.) "Knobs," Jefferson, Gibson.

leucophæa, Gr. (*Mulgedium leucophæum*, DC.) Gibson, Jefferson, Monroe.

Sonchus oleraceus, L. Gibson, Jefferson, Marion.
asper, Vill. Jefferson, Marion, Monroe.

LOBELIACEÆ.

Lobelia cardinalis, L.

syphilitica, L.

puberula, Michx. Jefferson, Monroe, Carroll.

leptostachys, A. DC. Jefferson, Gibson, Monroe.

spicata, Lam. Jefferson, Monroe, Marion, St. Joseph.

Kalmii, L. Marshy ground through the northern tiers of counties as far south as Carroll.

inflata, L.

CAMPANULACEÆ.

Specularia perfoliata, A. DC.

Campanula rotundifolia, L. Northern counties about Lake Michigan (where the var. *linifolia* prevails) and south to Tippecanoe.

aparinoides, Pursh. Wet grassy grounds in the northernmost counties.

divaricata, Michx. Monroe. (*W. R. Dudley.*)

Americana, L.

ERICACEÆ.

Gaylussacia resinosa, Torr. and Gray. Jefferson, Monroe and counties about Lake Michigan.

Vaccinium stamineum, L. "Knobs," Monroe, Lake.

Pennsylvanicum, Lam. Monroe and northern tier of counties.
vacillans, Solander. "Knobs," Monroe, Lake.

corymbosum, L., var. *pallidum*, Gr. Lake. (*E. J. Hill.*)

Oxycoccus, L. Lake. (*E. J. Hill.*)

macrocarpon, Ait. Monroe. (*W. R. Dudley.*)

Arctostaphylos Uva-ursi, Spreng. Counties about Lake Michigan.

Epigæa repens, L. Monroe, Montgomery, Lake, Laporte.

Gaultheria procumbens, L. Monroe and counties about Lake Michigan.

Oxydendrum arboreum, DC. "Knobs," Monroe.

Cassandra calyculata, Don. Counties about Lake Michigan.

Kalmia latifolia, L. "Knobs," Monroe.

angustifolia, L. Monroe. (*W. R. Dudley.*)

Rhododendron nudiflorum, Torr. (*Azalea nudiflora*, L.) Monroe. (*W. R. Dudley.*)

Chimaphila umbellata, Nutt. Jefferson, Monroe, Lake.

maculata, Pursh. Jefferson, Monroe and about Lake Michigan.

Pyrola secunda, L. Monroe. (*W. R. Dudley.*)

chlorantha, Swartz. Lake. (*E. J. Hill.*)

elliptica, Nutt. Monroe and about Lake Michigan.
rotundifolia, L. Monroe, Lake.

Monotropa uniflora, L. Jefferson, Gibson, Monroe.

Hypopitys, L. Jefferson, Monroe.

ILICINEÆ.

[This order, formerly called *Aquifoliaceæ*, should be placed among
 POLYPETALÆ just before *Celastraceæ*.]

Ilex decidua, Walt. Gibson, Monroe.

verticillata, Gray. Jefferson, Gibson, Monroe.

Nemopanthes Canadensis, DC. Lake. (*E. J. Hill*)

PRIMULACEÆ

Hottonia inflata, Ell. "Knobs," Gibson, Monroe,
Dodecatheon Meadia, L.

Trientalis Americana, Pursh. About Lake Michigan.

Steironema ciliatum, Raf. (*Lysimachia ciliata*, L.) Jefferson, Gibson
 Monroe, Carroll, Elkhart.

lanceolatum, Gray. (*Lysimachia lanceolata*, Walt.) Jefferson,
 Clark, Gibson, Monroe.

" var. **angustifolium**, Gr. Jefferson, Gibson,
 Monroe.

longifolium, Gray. (*Lysimachia longifolia*, Pursh.) Jefferson,
 Gibson, Monroe.

Lysimachia quadrifolia, L. Jefferson, Monroe.

stricta, Ait. Monroe and northern counties.

nummularia, L. Sparingly naturalized in Jefferson, Gibson,
 Monroe.

thyrsiflora, L. Marion, Lake.

Anagallis arvensis, L. Jefferson, Gibson, Monroe.

Samolus Valerandi, L. var. **Americanus**, Gray. Jefferson, Gibson,
 Monroe, Marion, Elkhart.

EBENACEÆ.

Diospyros Virginiana, L. Southern counties, as far north as Marion.

OLEACEÆ.

Fraxinus Americana, L.

pubescens, Lam. "Knobs," Gibson.

viridis, Michx. f.

quadranglelata, Michx.

sambucifolia, Lam. Jefferson, Gibson.

Forestiera acuminata, Poir. Gibson and Posey.

APOCYNACEÆ.

Amsonia Tabernæmontana, Walt. Gibson and Posey.

Vinca minor, L. This species seems thoroughly naturalized in Montgomery county and elsewhere.

Apocynum androsæmifolium, L. St. Joseph.

cannabinum, L. The various forms are no longer ranked as
 varieties.

ASCLEPIADACEÆ.

Asclepias tuberosa, L.*purpurascens*, L.*incarnata*, L." var. *pulchra*, Pers. Carroll.**Cornuti**, Decaisne.*obtusifolia*, Michx. "Knobs," Gibson.*variegata*, L. Jefferson, Gibson, Marion.*quadrifolia*, L. Jefferson, "Knobs."*verticillata*, L. Common in the northern counties, as far south as Tippecanoe.**Acerates longifolia**, Ell. Gibson, Jasper.*viridiflora*, Ell. St. Joseph, Elkhart.**Enslenia albida**, Nutt. Common along the Ohio River and Lower Wabash.**Gonolobus lœvis**, Michx. Lower Wabash.

LOGANIACEÆ.

Spigelia Marilandica, L. Marion. (*Ansil Moffatt.*)

GENTIANACEÆ.

Sabbatia brachiata, Ell. "Dry, grassy prairies." (*Prof. A. Wood.*)*angulata*, Pursh.**Gentiana crinita**, Frœl. Marion. (*Ansil Moffatt.*)*quinqueflora*, Lam. Marion, Tippecanoe." var. *occidentalis*, Gray. "Knobs." (*Dr. Clapp.*)*puberula*, Michx. Barrens of Harrison and Washington.**Andrewsii**, Griseb.*alba*, Muhl. Tippecanoe.**Frasera Carolinensis**, Walt. "Knobs," Gibson.**Obolaria Virginica**, L. Clifty Falls, Jefferson.**Menyanthes trifoliata**, L. About Lake Michigan.

POLEMONIACEÆ.

Phlox paniculata, L.*maculata*, L.*glaberrima*, L. Jefferson, Gibson, "Knobs."" var. *suffruticosa*, Gr. (*P. Carolina*, L., var. *nitida*, Benth.) Jefferson.*pilosa*, L.*amœna*, Sims. (*P. procumbens*, Gr.) Jefferson, Gibson.*divaricata*, L.*bifida*, Beck. Common in Tippecanoe.*subulata*, L. Jefferson, Montgomery, Tippecanoe.**Polemonium reptans**, L.

HYDROPHYLACEÆ.

Hydrophyllum macrophyllum, Nutt.

Virginicum, L.

Canadense, L. Jefferson, Laporte.

appendiculatum, Michx.

Phacelia bipinnatifida, Michx. Along the Ohio and Wabash. Strongly and unpleasantly scented.

Purshii, Buckley. Clark, Gibson, Marion.

BORRAGINACEÆ.

Heliotropium Indicum, L. (*Heliotyphium Indicum*, DC.) Common along river banks.

Cynoglossum officinale, L.

Virginicum, L.

Echinospermum Virginicum, Lehm. (*Cynoglossum Morisoni*, DC.)

Lappula, Lehm.

Mertensia Virginica, DC. Abundant in middle and southern counties.

Myosotis verna, Nutt. Gibson, Harrison, Jefferson.

Lithospermum arvense, L. Jefferson, Lake.

officinale, L. Jefferson, Tippecanoe.

latifolium, Michx. Jefferson, Gibson.

canescens, Lehm. Tippecanoe.

hirtum, Lehm. Jefferson, Gibson, Tippecanoe and northern counties.

angustifolium, Michx. (Including *L. longiflorum*, Spreng.) Gibson, Tippecanoe.

Onosmodium Carolinianum, DC. Tippecanoe, Jefferson.

Sympytum officinale, L. Gibson, Jefferson, Marion.

CONVOLVULACEÆ.

Ipomoea coccinea, L. (*Quinoclit coccinea*, Mœnch.) Jefferson, Gibson.

hederacea, Jacq. (Formerly called, but distinct from, *I. Nil*, Roth.) Jefferson, Gibson, Marion.

purpurea, Lam.

pandurata, Meyer.

lacunosa, L. Jefferson, Gibson.

Convolvulus spithameus, L. (*Calystegia spithamea*, Pursh.) Jefferson, Floyd.

sepium, L. (*Calystegia sepium*, R. Br.)

arvensis, L. Lake. (*E. J. Hill*)

Cuscuta chloroearpa, Engelm. Marion, Lake.

Gronovii, Willd.

compacta, Juss. Gibson. (*Dr. J. Schneck*)

glomerata, Choisy. Gibson, Harrison.

SOLANACEÆ.

Solanum nigrum, L.

Dulcamara, L. Jefferson, Gibson, Marion.

Carolinense, L.

Physalis angulata, L. Marion. (*Ansil Moffatt.*)
Philadelphica, Lam. Jefferson.
pubescens, L.
viscosa, L. Jefferson, Gibson.
lanceolata, Michx. (*P. Pennsylvanica*, L.) Gibson, Marion.
Nicandra physaloides, Gärtn. Jefferson, Gibson.
Lycium vulgare, Dunal. Escaped in Jefferson and Gibson.
Datura Stramonium, L. Not so common as the next.
Tatula, L.

SCROPHULARIACEÆ.

Verbascum Thapsus, L.
Blattaria, L.
Linaria Canadensis, Dumont. Lake. (*E. J. Hill.*)
vulgaris, Mill.
Antirrhinum majus, L. Jefferson, Gibson.
Collinsia verna, Nutt.
Serphularia nodosa, L.
Chelone glabra, L. Jefferson, Gibson, Marion and northward.
obliqua, L. Gibson. (*Dr. J. Schneck.*)
Penstemon pubescens, Solander.
lævigatus, Solander, var. **Digitalis**, Gray. (*P. Digitalis*, Nutt.)
Gibson, Jennings, Marion.
Mimulus ringens, L.
alatus, Solander.
Conobea multifida, Benth. Banks of the Ohio and Wabash rivers. Upper
leaves in whorls of three.
Gratiola Virginiana, L.
sphærocarpa, Ell. "Barrens" of Southern Indiana.
Ilysanthes gratioloides, Benth.
Synthyris Houghtoniana, Benth. Tippecanoe and northwest.
Veronica Virginica, L.
Anagallis, L. North.
officinalis, L. Jefferson.
serpyllifolia, L.
peregrina, L.
arvensis, L.
Buchnera Americana, L. Floyd, Harrison, Lake.
Seymeria macrophylla, Nutt. Near the Ohio and Wabash rivers.
Gerardia pedicularia, L. Northern tier of counties.
flava, L.
quercifolia, Pursh.
auriculata, Michx. Southeastern Indiana.
aspera, Dougl. Gibson. (*Dr. J. Schneck.*)
purpurea, L. Jefferson, Gibson.
tenuifolia, Vahl.

Skinneriana, Wood. Lake. (*E. J. Hill*)

Castilleia coccinea, Spreng. North and west.

Pedicularis Canadensis, L.

lanceolata, Michx. Gibson, Marion, Tippecanoe.

OROBANCHACEÆ.

Aphyllon uniflorum, Torr. and Gr. Clark and Marion.

Conopholis Americana, Wallroth. Jefferson and Clark.

Epiphegus Virginiana, Bart. Everywhere in beech woods.

LENTIBULARIACEÆ.

Utricularia vulgaris, L. North and west.

intermedia, Hayne.

BIGNONIACEÆ.

Bignonia capreolata, L. Southwestern Indiana.

Tecoma radicans, Juss.

Catalpa speciosa, Warden. All that was formerly called *C. bignonioides* in this State should now bear the above name, as it is specifically distinct from the eastern form. (BOT. GAZ., Vol. V, p. 1.)

PEDALIACEÆ.

Martynia proboscidea, Glos.

ACANTHACEÆ.

Ruellia cilosa, Pursh. Central and northern.

strepens, L. Southern.

Dianthera Americana, L.

VERBENACEÆ.

Phryma Leptostachya, L.

Verbena officinalis, L. Jefferson.

urticæfolia, L.

angustifolia, Michx. Jefferson.

hastata, L.

stricta, Vent. Barrens and prairies.

bracteosa, Michx. Jefferson, Gibson.

Aubletia, L. Jefferson, Gibson. Rare except in cultivation.

Lippia lanceolata, Michx.

LABIATÆ.

Isanthus cæruleus, Michx. Most abundant south.

Teucrium Canadense, L.

Collinsonia Canadensis, L.

Mentha viridis, L.

piperita, L.
arvensis, L. Gibson. (*Dr. J. Schneck.*)
Canadensis, L.
 " *var. glabrata*, Benth. Jefferson, Carroll.
Lycopus Virginicus, L.
rubellus, Mönch. (*L. Europaeus*, var. *integifolius*, Gray.)
sinuatus, Ell. (*L. Europaeus*, var. *sinuatus*, Gray.) Johnson.
Cunila Mariana, L. "Knobs."
Pyrenanthemum linifolium, Pursh. Southern counties.
lanceolatum, Pursh.
muticum, Pers. Gibson. (*Dr. J. Schneck.*)
 " *var. pilosum*, Gray. (*P. pilosum*, Nutt.) Marion and southwest.
incanum, Michx. Jefferson and Gibson.
Satureia hortensis, L. Escaped in Gibson.
Calamintha glabella, Benth. Clark.
Melissa officinalis, L. Escaped in Jefferson.
Hedeoma pulegioides, Pers.
Salvia lyrata, L. Jefferson, Clark, Marion.
Monarda didyma, L. Escaped from cultivation in Gibson.
fistulosa, L.
Bradburiana, Boek. Common in the south west.
punctata, L. Marion and northward.
Blephilia ciliata, Raf.
hirsuta, Benth.
Lophanthus nepetoides, Benth.
scrophulariæfolius, Benth.
Nepeta Cataria, L.
Glechoma, Benth.
Scutellaria lateriflora, L.
versicolor, Nutt. River banks.
serrata, Andr. Gibson.
canescens, Nutt.
pilosa, Michx. "Knobs." (*Dr. A. Clapp.*)
parvula, Michx.
galericulata, L. Marion and northern counties.
nervosa, Pursh. Floyd and Clark.
Brunella vulgaris, L.
Physostegia Virginiana, Benth. Gibson, Jefferson, Marion, Tippecanoe.
Synandra grandiflora, Nutt. Banks of the Ohio and its tributaries.
Marrubium vulgare, L.
Leonurus Cardiaca, L.
Lamium amplexicaule, L.
Galeopsis Tetrahit, L. Marion, Jefferson.
Stachys hyssopifolia, Michx. Marion and northward.

palustris, L. Gibson, Marion.

aspera, Michx. (*S. palustris*, var. *aspera*, Gray.) Jefferson and Gibson.

“ var. **glabra**, Gray. (*S. palustris*, var. *glabra*, Gray.) Jefferson and Gibson.

cordata, Riddell. (*S. palustris*, var. *cordata*, Gray.) Jefferson and Gibson. (BOT. GAZETTE, Vol. I, p. 25.)

PLANTAGINACEÆ.

Plantago cordata, Lam. Southwest.

major, L.

Rugelii, Decaisne. (BOT. GAZETTE, Vol. III, p. 41.)

lanceolata, L.

Virginica, L. Abundant south.

pusilla, Nutt. Gibson. (*Dr. J. Schneck*.)

ARISTOLOCHIACEÆ.

Asarum Canadense, L.

Aristolochia Serpentaria, L. Crawford, Jefferson, Marion, Gibson.
tomentosa, Sims. Gibson.

PHYTOLACCACEÆ.

Phytolacca decandra, L.

CHENOPODIACEÆ.

Chenopodium album, L.

viride, L. Gibson. (*Dr. J. Schneck*.) (BOT. GAZ., Vol. VI, p. 235.)

urbicum, L. Marion, Tippecanoe.

hybridum, L. Marion. (*Ansil Moffatt*.)

Botrys, L.

ambrosioides, L.

“ var. **anthelminticum**, Gr.

Corispermum hyssopifolium, L. Shores of Lake Michigan.

AMARANTACEÆ.

Amarantus hypochondriacus, L. Gibson, Marion.

paniculatus, L. Gibson, Marion.

retroflexus, L.

albus, L. Jefferson, Marion, Jasper.

spinosus, L.

Aenida tuberculata, Moquin-Tandon. (*Montelia tamariscina*, Gr., var. *concreta*.) *A. tamariscina*, Gr. (*Montelia tamariscina*, Gr.) is not found within our limits. (BOT. GAZ., Vol. I, p. 48.)

Iresine celosioides, L. Floyd, Gibson.

POLYGONACEÆ.

Polygonum orientale, L. Gibson, Jefferson, "Knobs," Marion.
Careyi, Olney. Marion, Noble.
Pennsylvanicum, L.
incarnatum, Ell.
Persicaria, L.
Hydropiper, L.
aere. HBK
hydropiperoides, Michx.
amphibium, L. West and north.
Muhlenbergii, Watson. (*P. amphibium*, var. *terrestris*, Gray,
Manual, 416; not of Willd.) Lake.
Virginianum, L.
articulatum, L. Lake.
aviculare, L.
erectum, L. (*P. aviculare*, var. *erectum*, Roth.)
tenue, Michx. Lake.
sagittatum, L.
Convolvulus, L. Jefferson, Marion.
dumetorum, L., var. **scandens**, Gr.
Fagopyrum esculentum, Mœnch.
Rumex altissimus, Wood. (*R. Britanica*, L.)
verticillatus, L.
crispus, L.
obtusifolius, L.
conglomeratus, Murray. Jefferson.
sanguineus, L. Gibson.
maritimus, L. Marion.
Acetosella, L.

LAURACEÆ.

Sassafras officinale, Nees.
Lindera Benzoin, Meisner.

THYMELEACEÆ

Direa palustris, L. Throughout the State, but most abundant in the northern part.

ELÆAGNACEÆ.

Shepherdia Canadensis, Nutt. Lake.

SANTALACEÆ.

Comandra umbellata, Nutt. Gibson, Jefferson, Tippecanoe.

LORANTHACEÆ.

Phoradendron flavoserens, Nutt. Common south. Most frequent on the Elm.

SAURURACEÆ.

Saururus cornuus, L. Quite common and fragrant.

CERATOPHYLLACEÆ.

Ceratophyllum demersum, L. Gibson.

CALLITRICHACEÆ.

Callitrichoë Austini, Engelm. Gibson.

heterophylla, Pursh. Gibson.

EUPHORBIACEÆ.

Euphorbia polygonifolia, L. Lake.

maculata, L.

humistrata, Engelm. Along the Ohio and lower Wabash.

hypericifolia, L.

marginata, Pursh. Sparingly escaped throughout the State, but covering the river hills in Jefferson.

corollata, L.

dentata, Michx. Marion, Montgomery.

Ipecacuanhæ, L. "Knobs," Marion.

obtusata, Pursh. Gibson.

Cyparissias, L. Escaped throughout the State.

commutata, Engelm.

Acalypha Virginica, L.

" var. **gracilens**, Gray. Less common than the species.

Croton capitatus, Michx. Barrens of Floyd, Harrison, etc.

monanthogynus, Michx. With the last and more general throughout the "Knobs."

Phyllanthus Carolinensis, Walt. Southern counties.

URTICACEÆ.

Ulmus fulva, Michx.

Americana, L.

racemosa, Thomas. Banks of the Ohio.

alata, Michx. Rare along streams.

Celtis occidentalis, L. Gibson, Marion.

" var. **Mississippiensis**, Bosc. Gibson.

Morus rubra, L. General but not abundant.

Urtica gracilis, Ait.

dioica, L. Marion.

Laportea Canadensis, Gaudichaud.

Pilea pumila, Gray.

Bœhmeria cylindrica, Willd.

Parietaria Pennsylvanica, Muhl. Southern counties.

Cannabis sativa, L.

Humulus Lupulus, L.

PLATANACEÆ.

Platanus occidentalis, L.

JUGLANDACEÆ

Juglans cinerea, L.

nigra, L.

Carya olivæformis, Nutt. Banks of the Ohio and lower Wabash.

alba, Nutt.

microcarpa, Nutt. Tippecanoe and southward.

sulcata, Nutt. South.

tomentosa, Nutt. South.

porcina, Nutt.

amara, Nutt.

CUPULIFERÆ.

Quercus alba, L.

stellata, Wang. (*Q. obtusiloba*, Michx.)

macrocarpa, Michx.

“ var. *olivæformis*. Gibson.

lyrata, Walt. Lower Wabash.

bicolor, Willd.

Michauxii, Nutt. South. Dr. Engelmann considers this a sub-

species of *bicolor*. It replaces some forms of *Q. Prinus*, L.

as found in Gray's Manual.

Muhlenbergii, Engelm. (*Q. Prinus*, L., var. *acuminata*, Michx.)

In Indiana this species entirely supplants *Q. Prinus* of the East.

rubra, L.

coccinea, Wang.

“ var. *tinctoria*, Gr. This is probably entitled to the specific rank that Bartram first assigned it.

falcata, Michx. General but by no means abundant in southern counties.

palustris, DuRoi.

nigra, L. Barrens north and south.

imbricaria, Michx.

Phellos, L. Southwest.

Castanea vesca, L., var. *Americana*, Michx. Getting to be generally distributed, but probably not a native.

Fagus ferruginea, Ait.

Corylus Americana, Walt.

Ostrya Virginica, Willd.

Carpinus Americana, Michx.

BETULACEÆ.

Betula lenta, L. Gibson.

papyracea, Ait. Lake. (*E. J. Hill.*)

nigra, L. Gibson.

pumila, L. Northern counties.

Alnus incana, Willd. Lake.

serrulata, Ait.

SALICACEÆ.

Salix candida, Willd. Northern counties.

tristis, Ait.

humilis, Marshall.

discolor, Muhl.

sericea, Marshall. Floyd. (*Dr. A. Clapp.*)

petiolaris, Smith.

cordata, Muhl.

livida, Wahlen., var. *occidentalis*, Gr. Tippecanoe.

lucida, Muhl. Most common in northern counties.

nigra, Marsh. Most common in southern counties.

alba, L., var. *vitellina*, Gr.

longifolia, Muhl.

myrtilloides, L. Lake. (*E. J. Hill.*)

Populus tremuloides, Michx.

heterophylla, L. Lower Wabash.

monilifera, Ait.

CONIFERÆ.

Pinus Banksiana, Lambert. Lake. (*E. J. Hill.*)

mitis, Michx. South.

Strobus, L.

Larix Americana, Michx. Northern counties.

Thuja occidentalis, L. Northern counties.

Taxodium distichum, Richard. Common along the Lower Wabash.

Juniperus communis, L. General but not abundant.

Virginiana, L.

ARACEÆ.

Arisæma triphyllum, Torr. *Dracontium*, Schott. Not so common as the last.*Peltandra Virginica*, Raf. Gibson.*Symplocarpus foetidus*, Salisb. More abundant in northern counties.*Acorus Calamus*, L. Gibson, Marion.

LEMNACEÆ.

Lemna trisulca, L. Gibson. *minor*, L. Not so common as the next.*Speirodela polyrrhiza*, Schleid. (*Lemna polyrrhiza*, L.)*Wolffia Columbiana*, Karsten. Stagnant water in the northern counties. *Brasiliensis*, Weddell. With the last.

TYPHACEÆ.

Typha latifolia, L.*Sparganium eurycarpum*, Engelm. Most common north. *simplex*, Hudson, var. *androcladum*, Engelm. Gibson. *minimum*, Bauhin, Fries. Lake. (E. J. Hill.)

NAIADACEÆ.

Naias Indica, Cham., var. *gracillima*, Braun. Gibson. (Dr. J. Schneck.) *flexilis*, Rostk. Lower Wabash.*Potamogeton natans*, L. *Claytonii*, Tuckerman. Gibson. *lonchites*, Tuckerman. Wabash river. (Dr. J. Schneck.) *gramineus*, L., var. ? *spathulæformis*, Robbins. Wabash river on floating logs. (Dr. J. Schneck.) *lucens*, L. Gibson, Lake. " var. *minor*, Nolte. Lake. *compressus*, L. Carroll, Laporte. *pauciflorus*, Pursh. Jefferson, Gibson. *pusillus*, L., var. *tenuissimus*, Mertens & Koch. Gibson. (Dr. J. Schneck.) *pectinatus*, L. Wabash river.

ALISMACEÆ.

Triglochin maritimum, L. Lake. (E. J. Hill.)*Alisma Plantago*, L., var. *Americanum*, Gray.*Sagittaria variabilis*, Engelm. *heterophylla*, Pursh. *graminea*, Michx.

HYDROCHARIDACEÆ.

Anacharis Canadensis, Planchon.*Vallisneria spiralis*, L.

ORCHIDACEÆ.

Orchis spectabilis, L. Widely distributed but very rare.

Perularia virescens, Gr. (*Habenaria virescens*, Spreng. Bot. GAZ. V, 6, p. 63.) Gibson and northern counties.

Habenaria tridentata, Hook. Lake.

viridis, R. Br., var. **bracteata**, Reichenbach. Tippecanoe.

hyperborea, R. Br. Lake. (*E. J. Hill.*)

ciliaris, R. Br. Northern counties.

lacera, R. Br. Northern counties.

psycodes, Gray. Clark and northern counties.

peramœna, Gray. More common south.

Goodyera pubescens, R. Br. Gibson. (*Dr. J. Schneck.*)

Spiranthes cernua, Richard.

gracilis, Bigelow. Jefferson, Lake.

Arethusa bulbosa, L. Lake. (*E. J. Hill.*)

Pogonia ophioglossoides, Nutt. Lake. (*E. J. Hill.*)

pendula, Lindl. Gibson, Jefferson.

verticillata, Nutt. Jefferson.

Calopogon pulchellus, R. Br. Gibson and northern counties.

Microstylis monophyllos, Lindl. "Knobs." (*Dr. A. Clapp.*)

Liparis liliifolia, Richard. Jefferson, Gibson.

lceselii, Richard. Lake. (*E. J. Hill.*)

Corallorrhiza innata, R. Brown. "Knobs." (*Dr. A. Clapp.*)

odontorrhiza, Nutt. Jefferson, Clark, Gibson.

multiflora, Nutt. Jefferson.

Aplectrum hyemale, Nutt. Tippecanoe and south.

Cypripedium candidum, Muhl. Gibson. "Rapidly disappearing, once common." (*Dr. J. Schneck.*)

parviflorum, Salisb. Gibson and northern counties.

pubescens, Willd. Northern counties.

spectabile, Swartz. Lake counties.

acaule, Ait. In a tamarack swamp in Noble county.

AMARYLLIDACEÆ.

Pancratium rotatum, Ker. Gibson. (*Dr. J. Schneck.*)

Agave Virginica, L. Jefferson, Gibson.

Hypoxys erecta, L. Widely distributed but not abundant.

HÆMODORACEÆ.

Aletris farinosa, L. Gibson and northern counties.

IRIDACEÆ.

Iris versicolor, L.

cristata, Ait. Southern counties.

Pardanthus Chinensis, Ker. Jefferson, Gibson.

Sisyrinchium Bermudiana, L. All the forms of the manual are found in abundance.

DIOSCOREACEÆ.

Dioscorea villosa, L.

SMILACEÆ.

Smilax rotundifolia, L. The species, as well as the var. *quadrangulata*, is very common.*glauca*, Walt. Jefferson, Gibson.*hispida*, Muhl. Gibson, Marion.*Pseudo-China*, L. "Knobs." (Dr. A. Clapp.)*herbacea*, L. Less common than the var. *pulverulenta*.

LILIACEÆ.

Trillium sessile, L.*recurvatum*, Beck. Not so common as the last.*erectum*, L. The forms formerly called *album* and *declinatum* are found more abundantly than anything else.*grandiflorum*, Salisb. Widely scattered but not abundant.*cernuum*, L. Jefferson, Marion.*nivale*, Riddell. Tippecanoe.*Medeola Virginiana*, L. Jefferson, Lake.*Melanthium Virginicum*, L. Floyd, Harrison. (Dr. A. Clapp.)*Stenanthium angustifolium*, Gray. South.*Veratrum Woodii*, Robbins. "Woods and hilly barrens of Green Co." (Prof. A. Wood.)*uiride*, Ait.*Chamaelirium Carolinianum*, Willd. (*C. luteum*, Gr.) Southern counties.*Tofieldia glutinosa*, Willd. Northern tier of counties.*Uvularia perfoliata*, L. Not so common as the next.*grandiflora*, Smith. (Includes *U. flava*, Smith.)*Oakesia sessilifolia*, Watson. (*Uvularia sessilifolia*, L.)*Convallaria majalis*, L. Escaped in several places.*Smilacina racemosa*, Desf.*stellata*, Desf. Not so common as the last.*Maianthemum Canadense*, Desf. (*Smilacina bifolia*, var. *Canadensis* Gr.) Northern tier of counties.*Polygonatum biflorum*, Ell. Not so common as the next.*giganteum*, Dietrich.*Asparagus officinalis*, L. Generally escaped.*Lilium Philadelphicum*, L.*Canadense*, L. Carroll.*superbum*, L. Laporte, St. Joseph.*Erythronium Americanum*, Smith.*albidum*, Nutt. Not so common as the last.*Ornithogalum umbellatum*, L. Escaped everywhere.*Camassia Fraseri*, Torr. (*Scilla Fraseri*, Gr.) Becoming rare.*Allium tricoccum*, Ait. Jefferson.

cernuum, Roth. Jefferson, St. Joseph.
Canadense, Kalm. Gibson, "Knobs," Marion.
Nothoscordum striatum, Kunth. (*Allium striatum*, Jacq.) Southern prairies.
Muscari botryoides, Mill. Escaped.
Hemerocallis fulva, L. Escaped.
 flava, L. Escaped in Gibson.

JUNCACEÆ.

Luzula campestris, DC. Must be common, but reported only from Jefferson.

Juncus effusus, L. Jefferson, Laporte.
 marginatus, Rostkovius.
 tenuis, Willd.
 dichotomus, Ell. Gibson. (*Dr. J. Schneck.*)
Greenii, Oakes & Tuckerm. Lake. (*E. J. Hill.*)
 pelocarpus, E. Meyer. Laporte.
 acuminatus, Michx. Common under many forms, especially the var. *debilis*.
nodosus, L. Gibson. (*Dr. J. Schneck.*)
 " var. **megacephalus**, Torr. Jasper.
scirpoideus, Lam. Jefferson.
 " var. **macrostemon**, Engelm. Laporte. (*E. J. Hill.*)
Canadensis, J. Gay, var. **longicaudatus**, Engelm. Laporte,
 (*E. J. Hill.*)
 " var. **brachycephalus**, Engelm. Laporte.

PONTEDERIACEÆ.

Pontederia cordata, L.

Heteranthera reniformis, Ruiz & Pav. Jefferson, Gibson.

Schollera graminea, Willd. Very variable, depending on habitat "When growing in water the leaves and stems are from one to two feet long; while, when found on the muddy borders, they are usually one to two inches in length." (*Dr. J. Schneck.*)

COMMELINACEÆ.

Commelina Virginica, L. Jefferson, Gibson, Lake.

Cayennensis, Richard. Gibson.

Tradescantia Virginica, L.
 pilosa, Lehm.

XYRIDACEÆ.

Xyris flexuosa, Muhl., Chapm. Laporte.

ERIOCAULONACEÆ.

Eriocaulon septangulare, Withering. Laporte. (*E. J. Hill.*)

CYPERACEÆ.

Cyperus flavescens, L. Jefferson.

diandrus, Torr.

erythrorhizos, Muhl. Jefferson, Gibson.

inflexus, Muhl. Jefferson.

phyamatodes, Muhl. Southern counties.

strigosus, L.

Michauxianus, Schultes. Jefferson.

Schweinitzii, Torr. Shores of Lake Michigan.

filiculmis, Vahl. Lake, Laporte.

ovularis, Torr. Jefferson, Gibson, Lake.

Kyllingia pumila, Michx. Common in southern counties.

Dulichium spathaceum, Pers.

Hemicarpha subsquarrosa, Nees. Laporte. The var. *Drummondii*. (*E. J. Hill.*)

Eleocharis obtusa, Schultes.

Engelmanni, Steud., var. *detonsa*, Gray. (BOT. GAZETTE, Vol. III, No. 10.) Laporte. (*E. J. Hill.*)

olivacea, Torr. Gibson. (*Dr. J. Schneck.*)

palustris, R. Br. Gibson, Jefferson, Laporte.

rostellata, Torr. Southwestern counties.

tenuis, Schultes. Gibson, Jefferson, Lake.

acicularis, R. Br. Gibson and northern counties.

Scirpus subterminalis, Torr. Lake. (*E. J. Hill.*)

pungens, Vahl.

validus, Vahl. Gibson and northern counties.

debilis, Pursh. Lake. (*E. J. Hill.*)

Smithii, Gray. Laporte.

fluvialis, Gray. Gibson. (*Dr. J. Schneck.*)

atrovirens, Muhl.

polyphyllus, Vahl. Southern counties.

lineatus, Michx. Southwestern counties.

Eriophorum, Michx.

Eriophorum Virginicum, L. Northern counties.

polystachyon, L. Lake. (*E. J. Hill.*)

gracile, Koch. With the last.

Fimbristylis autumnalis, Rem. & Schult.

capillaris, Gray. Lake.

Rhynchospora cymosa, Nutt. Lake. (*E. J. Hill.*)

alba, Vahl. Laporte.

capillacea, Torr., var. *leviseta*, E. J. Hill. Pine Station, Lake Co. (*E. J. Hill.*) (BOT. GAZETTE, Vol. VI, No. 9.)

glomerata, Vahl. Lake and Laporte.

corniculata, Gray. Floyd. (*Dr. A. Clapp.*)

Cladium mariscoides, Torr. Lake. (*E. J. Hill.*)

Scleria triglomerata, Michx. Lake.
 verticillata, Muhl. Southern counties and Lake.
Carex polytrichoides, Muhl. Lake.
 Willdenovii, Schk. Jefferson.
 Steudelii, Kunth. Jefferson.
 disticha, Huds. Lake.
 vulpinoidea, Michx.
 Nuttallii, Schw. (*C. crus-corvi*, Shuttlew.) Gibson.
 stipata, Muhl. Jefferson, Gibson.
 alopecoidea, Tuckerman. Lake.
 sparganioides, Muhl. Jefferson, Floyd, Lake.
 cephalophora, Muhl.
 Muhlenbergii, Schk. Jefferson, Lake, Laporte.
 rosea, Schk. Gibson, Lake. The variety *radiata* occurs in Jefferson.
 stellulata, L. Lake.
 " var. *scirpoides*, Carey. Lake.
Muskingumensis, Schk. (*C. arida*, Schw. & Torr.) Gibson.
scoparia, Schk.
lagopodioides, Schk. Jefferson.
fœnea, Willd. Gibson.
straminea, Schk. The many forms not easily separated.
alata, Torr. Lake.
stricta, Lam. Lake.
 " var. *strictior*, Carey. Lake.
crinita, Lam. Jefferson.
Shortiana, Dew. Southern counties.
aurea, Nutt. Lake.
panicea, L., var. **Meadii**, Olney. (*C. Meadii*, Dew.) Lake.
 " var. *tetanica*, Olney. (*C. tetanica*, Schk.) Southern counties.
microdonta, Torr. (*C. Cravei*, Dew.) Lake.
granularis, Muhl. Jefferson.
conoides, Schk. Gibson.
grisea, Wahl. Jefferson.
gracillima, Schw. Jefferson.
virescens, Muhl. Jefferson.
triceps, Michx.
digitalis, Willd. Jefferson.
laxiflora, Lam. Jefferson, Lake.
 " var. *styloflexa*, Boott. Jefferson.
 " var. *plantaginea*, Boott. Jefferson.
 " var. *blanda*, Carey. Gibson, Lake.
 " var. *latifolia*, Boott. Tippecanoe.
oligocarpa, Schk. Jefferson.
eburnea, Boott. Jefferson, Lake.

umbellata, Schk. Lake.
Emmonsii, Dew. Jefferson, Lake.
Pennsylvanica, Lam.
Richardsonii, R. Br. Lake.
pubescens, Muhl. Jefferson.
debilis, Michx. Jefferson.
flava, L. Noble.
viridula, Mx. (*C. Ederi*, Ehrh.) Lake.
filiformis, L. Lake.
lanuginosa, Michx. Jefferson.
comosa, Boott. Floyd.
Pseudo-Cyperus, L. Floyd, Noble.
hystricina, Willd. Lake.
tentaculata, Muhl.
intumescens, Rudge.
Grayii, Carey. Southern counties.
lupulina, Muhl. Southern counties.
squarrosa, L. Jefferson.
stenolepis, Torr. Jefferson.
retrorsa, Schw. Gibson.
gigantea, Rudge. Jefferson, Floyd, Gibson.
monile, Tuckerman. Gibson.
Tuckermani, Boott. Floyd.

GRAMINEÆ.

Leersia Virginica, Willd. Marion and south.
oryzoides, Swartz.
Zizania aquatica, L. Gibson, Laporte.
Alopecurus aristulatus, Michx. Floyd. (*Dr. A. Clapp.*)
Phleum pratense, L.
Vilfa aspera, Beauv. Gibson.
vaginæflora, Torr. Shores of Ohio and Lower Wabash.
Sporobolus heterolepis, Gray. Gibson. (*Dr. J. Schneck.*)
cryptandrus, Gray. Lake. (*E. J. Hill.*)
Agrostis perennans, Tuckerm. Jefferson.
scrabra, Willd.
vulgaris, With.
alba, L.
Cinna arundinacea, L. Jefferson, Gibson.
Muhlenbergia sobolifera, Trin. Jefferson, Gibson.
Mexicana, Trin.
sylvatica, Torr. & Gr.
Wildenovii, Trin. Jefferson.
diffusa, Schreber. Marion, Jefferson, Gibson.
capillaris, Kunth. Marion.
Brachyelytrum aristatum, Beauv. Gibson.

Calamagrostis Canadensis, Beauv. Marion, Lake.
 longifolia, Hook. Lake.

Oryzopsis melanocarpa, Muhl. Jefferson.

Aristida ramosissima, Engelm. Jefferson, Gibson.
 dichotoma, Michx. Southern counties.
 gracilis, Ell. Jefferson.
 oligantha, Michx. Jefferson, Gibson.

Spartina cynosuroides, Willd. Laporte.

Dactyloctenium ~~Egyptiacum~~, Willd. Gibson.

Eleusine Indica, Gertn.

Tricuspidia seslerioides, Torr. Southern counties.

Diarrhena Americana, Beauv. Side ravines of the Ohio River and Lower Wabash.

Dactylis glomerata, L.

Koeleria cristata, Pers. Gibson, Laporte.

Eatonia Pennsylvanica, Gray. Gibson.

Glyceria Canadensis, Trin. Gibson.
 elongata, Trin. Clark.
 nervata, Trin. Jefferson.
 pallida, Trin. Jefferson.
 fluitans, R. Br. Jefferson, Gibson.

Poa annua, L. Marion.
 compressa, L. Jefferson, Marion.
 serotina, Ehrhart. Marion.
 pratensis, L.
 trivialis, L. Floyd, Marion.
 brevifolia, Muhl. Floyd. (*Dr. A. Clapp.*)

Eragrostis reptans, Nees.
 poæoides, Beauv., var. **megastachya**, Gray.
 pilosa, Beauv. Gibson.
 Frankii, Meyer. Jefferson, Gibson.
 tenuis, Gray. Marion, Gibson.
 capillaris, Nees. Jefferson.
 pectinacea, Gray. The var. *spectabilis* is found in Marion.

Festuca elatior, L. Gibson.
 nutans, Willd. Jefferson, Gibson.

Bromus secalinus, L.
 racemosus, L. Jefferson, Gibson.
 Kalmii, Gray. Gibson.
 ciliatus, L.

Uniola latifolia, Michx. Southern counties.

Phragmites communis, Trin. Some specimens in Gibson county 19 feet high. (*Dr. J. Schneck.*)

Arundinaria tecta, Muhl. Southern counties.

Triticum repens, L. Marion.
 violaceum, L. Lake. (*E. J. Hill.*)

Hordeum pratense, Huds. Gibson.
Elymus Virginicus, L. Southern counties.
 Canadensis, L. With the last.
 striatus, Willd. Jefferson, Gibson.
Gymnostichum Hystrix, Schreb. Southern counties.
Danthonia spicata, Beauv. Jefferson, "Knobs."
Arrhenatherum avenaceum, Beauv. Jefferson, Marion.
Holcus lanatus, L. Floyd.
Anthoxanthum odoratum, L. Marion.
Phalaris Canariensis, L. Escaped in Jefferson and Gibson.
 arundinacea, L. Gibson.
Paspalum fluitans, Kunth. Southern counties.
 setaceum, Michx.
 læve, Michx.
Panicum glabrum, Gaudin. Jefferson.
 sanguinale, L.
 anceps, Michx. Jefferson, Gibson.
 agrostoides, Spreng. Southern counties.
 proliferum, Lam. Marion and south.
 capillare, L.
 virgatum, L. Jasper, Marion and south.
 latifolium, L.
 clandestinum, L.
 dichotomum, L.
Crus-galli, L. The var. *hispidum* occurs in Jefferson and Gibson.
Setaria verticillata, Beauv. Marion.
 glauca, Beauv.
 viridis, Beauv. Marion.
 Italica, Kunth. Escaped in Jefferson and Gibson.
Cenchrus tribuloides, L. Along all the principal streams.
Andropogon furcatus, Muhl. South.
 scoparius, Michx. Northern counties.
 Virginicus, L. Southern counties.
Sorghum nutans, Gray. Marion.

EQUISETACEÆ.

Equisetum arvense, L. Gibson.
 robustum, Braun. Along the Ohio river.
 hyemale, L.
 variegatum, Schleicher. Lake. (*E. J. Hill.*)

FILICES.

Polypodium vulgare, L. Montgomery, Parke.
 incanum, Swartz. Clark, Floyd, Perry, Gibson.
Cheilanthes vestita, Swartz. Gibson.
Pellæa atropurpurea, Link.
Pteris aquilina, L.
Adiantum pedatum, L.

Woodwardia Virginica, Smith. Lake, Laporte.

Asplenium pinnatifidum, Nutt. Gibson.

Trichomanes, L. Gibson.

ebeneum, Ait.

angustifolium, Mx. Tippecanoe and south.

Ruta-muraria, L. Abundant in Jefferson, Clark and Floyd.
thelypteroides, Mx.

Filix-fœmina, Bernh.

Camptosorus rhizophyllus Link. Abundant in southern counties.

Phegopteris hexagonoptera, Fee.

Aspidium Noveboracense, Swartz.

Thelypteris, Swartz.

Goldianum, Hood. Deep gorges leading into the principal streams.

Filix-mas, Swartz.

marginale, Swartz.

acrostichoides, Swartz.

Cystopteris fragilis, Bernh.

bulbifera, Bernh. Jefferson, Tippecanoe.

Onoclea sensibilis, L.

Struthiopteris, Hoffm. (*Struthiopteris Germanica*, Willd.)
Montgomery.

Woodsia obtusa, Torr. Jefferson, Gibson.

Dicksonia pilosiuscula, Willd. (*D. punctilobula*, Kunze.) Clark, Floyd,
Gibson.

Osmunda regalis, L. Jefferson, Floyd, Noble.

Claytoniana, L. Gibson.

cinnamomea, L. Jefferson, Montgomery.

OPHIOGLOSSACEÆ.

Botrychium ternatum, Swartz. (*B. lunarioides*, Swartz.) Gibson, Jefferson,
son, Lake.

" var. **obliquum**, Milde. (*B. lunarioides*, Swz., var.
obliquum, Eaton.) Jefferson.

" var. **dissectum**, Milde. (*B. lunarioides*, Swz., var.
dissectum, Eaton.) Jefferson.

Virginianum, Swartz. Gibson, Jefferson, Lake.

Ophioglossum vulgatum, L. Jefferson, Crawford, Gibson.

LYCOPODIACEÆ.

Lycopodium dendroideum, Michx. Lake, Montgomery.
complanatum, L. Lake, Laporte.

SELAGINELLEÆ.

Selaginella rupestris, Spring. Gibson, Montgomery, Lake.
apus, Spring. Gibson, Jefferson, Tippecanoe.

SALVINIACEÆ.

Azolla Caroliniana, Willd.